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UNITED STATES DEPARTMENT OF AGRICULTURE AMIMAL AND PLANT HEALTH INSPECTION SERVICE

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1. REGISTRATION HO.
10-R-0001

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FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA inchide Zip Code)

Washington Hospital Center

MedStar Research Institute

108 Irving St., N.W. Washington, D.C. 20010-2933

3. REPORTING FACERTY (List all hearlong where animals were housed or used in actual resourch, texting, teaching, or experimentation, or held for these purposes. Attach additional sneets il necessary. George Hyman Memorial Research Building, Tom Morris Farms, Inc

FACILITY LOCATIONS ISSUED					
George Hyman Memorial Research Building	Tom Morris Farms, Inc.				
Washington Hospital Center	A001 Millender Mill Rd Reisterstown, Md 21136				
Medstar Research Institute	Reisterstown, Ma 21130				

A. Asimals Covered By The Animal Weiters Regulations	III. Number of animals being bred, conditioned, or hald he use he is whing, testing, experiments, research, or surgery but not yet used for such pur posess.	C humber of when he when teaching, research, superiments, or lests were conducted involving no pain, distress, or use of pain-reliaving drugs.	D. Number of animals upon which as parimonis, teaching, research, surjey, or lessly were conducted involving ecompanying point or distess to the animals and for which appropriate a restlette, analysis, or 1500 pulls.	E. Number al onimals upon which teaching, superiments, research, sungery or lests were conducted involving accompanying poin or distress to the animals and for which the use of appropriate usertheirs, analysising or trendstriang trugs would have acknessly affected the procedures, results, or interpretation of the teaching, research, properties its, surgery, or tests. (An explanation of the procedures producing pain or distress in these entends and the reasons such drugs were not used must be affected to this report).	F. YOTAL NO. OF ANIMAL: (Cots. C + D + E)
4. Dogs	0	0	2	. 0	22
5. Cais	. 0	0	0	· 0	0
ö. Guinea Pigs	. 0	0	0	0	0
7. Hamsters	0	0		0	
8. Rabbits	0	0	107	0	107.
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
1). Pigs	0	0	366	0	366
12. Other Farm Animals	0	0	0	0	0.
13. Other Animals	0	0	0	0	0

ASSURANCE STATEMENTS

- 1) Psubstitutely acceptable standards governing the cust, tresistent, and use of animals, including approximate use of anesthetic, enologatic, and tranquiliting drugs, prior 18, during, and following actual research, tracking, testing, surgery, or excessmentation were inflowed by this research tocitity.
- 2). Each principal investigator has considered alternatives to pointed procedures.
- 3). This locitity is nothering to the standards and regulations under the ACL, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the leakingloses and report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of entering a factors.
- 4). The extending vermination for this research facility has oppropriate uniformly to ensure the provision of adequate velocitary care and to greezes the adequate of minimum care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the proper is time, contact, and complete (7 U.S.C. Section 2143).				
SIGNATURE OF CE.O. OR INSTITUTIONAL OFFICIAL	HAME & TITLE OF CEO OF INSTITUTIONAL OFFICIAL TYPE OF PINTS Barbara V. Howard, Ph.d., President	DATE SIGNED		

APHIS FORM 7023 (AUG 91)

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

OMB NO 0579-0036

include Zip C 10-R-0003, Cust ld 59

MARK BATSHAW, M.D. CHILDREN'S NATIONAL MEDICAL CENTER

111 MICHIGAN AVENUE, NW WASHINGTON, DC 20010

additional

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, co. companies.) sheets if necessary.)

FACILITY LOCATIONS (Siles)

Research Animal Facility on P-1 level of the Children's National Medical Center

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A) '	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		3			3
8. Rabbits		<u></u>			
9. Non-human Primates					
10. Sheep			54		54
11. Pigs					'
12. Other Farm Animals					
13. Other Animals					
Ferrets			5		5
		<u></u>			
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA
(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Mark L. Batshaw, M.D. Chief Academic O'fficer, CNMC. Professor and Chair, Pediatrics, G.W.U. Director, Children's Research Institute

DATE SIGNED

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

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(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side to additional information F. Of OF Intersigency Happit Committing 0.89/009/99

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0000

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zin Code include Zip Code 10-R-0004, Cust ld 69

KENNETH L DRETCHEN, PH.D. GEORGETOWN UNIVERSITY 3950 RESERVOIR RD, NW WASHINGTON, DC 20007

NOV -7 2000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, tea sheets if necessory)

dditional

FACILITY LOCATIONS (Siles)

4,747,74

Research Resources facility

The Research

Reiss Science Building (7th)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals bring bred, conditioned, or held for use in topiching, lesting, experiments, resuarch, or surgery but not yet used for such purposes.	C Nurriber of animals upon which leaching, research. Experiments, or lests were conducted involving no pan, distress, or use of pain-reserving drugs.	D. Number of animals upon which experiments, treaching, research, surgery, or tests were conducted involving accompanying pals or distress to the animals and for which appropriate anesthetic, analgesic, or tranquillating drugs were used.	Existary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted kivolving accompanying pain or distress to the animals and for which the use of appropriate enesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs		a	54	0	56
5. Cats		0	16	0	16
6. Guinea Pigs		0	0	0	0
7. Hamsters		28	0	0	28
8. Rabbits		193	381	0	574
9. Non-human Primates		0	29	0	29
10. Sheep		0	5	0	5
11. Pigs		0	49	0	49
12. Other Farm Animals		O	O	O	0
13. Other Animals					
BATS		0	14	O	14
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the cure, treatment, and use of animals, including approximate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the leathful Animat Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending votermanan for this research facility has appropriate authority to ensure the provision of adequate votermany care and to oversee the adequacy of other aspects of unimal care and uso.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Certify that the above is free, correct, and complete (7 USC Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (1742 OF PINE) Kenneth L. Dretchen, PhD Dean of Research	DATE SIGNED		

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 65), which is obsolute)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NG. 10-R-0005 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

10-R-0005, Cust ld 70

FREDERICK RICKLES. M.D.

GEORGE WASHINGTON UNIVERSITY, THE ANIMAL RESEARCH FAC., ROSS B-12

2300 EYE STREET, N.W.

WASHINGTON, DC 20037

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or _____ sheets it necessary)

FACILITY LOCATIONS (Siles)

The Animal Research Facility

The George Washington UNIVERSITY

2300 I Street, NW

Washington, DC 20037

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affach adiditional sheets if necessary or use APHIS FORM 7023A)					
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F. TOTAL NO. OF ANIMALS (Cals. C + D + E)
4. Dogs		13	0		13
5. Cats		0	0		0
6. Guinea Pigs		2	0		2
7. Hamsters		40	00		40
8. Rabbits		9	0		9
9. Non-human Primates		0	0		0
10. Sheep		0	8		8
11. Pigs		0	349	-	349
12. Other Farm Animals		0	0		0
13. Other Animals					
					· · · · · · · · · · · · · · · · · · ·
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ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures

AL OFFICIAL

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Frederick R. Rickles, MD, PhD.

Assoc. VP for Health Research

nstitutional Official

DATE SIGNED

GNATURE OF C.E.O. OR INSTITUTION

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

All redactions on this page are pursuant to (b)(6) & (b)(7)(c)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 10-R-0006

FURM APPROVED OMB NO 0579-0036

2. HEADQUARTE include Zip Co 10-R-0006, Cust Id 72

> NATIONAL FOOD PROCESSORS ASSOCIATION 1401 NEW YORK AVENUE SUITE 400

WASHINGTON, DC 20005

additional

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or the sheets if necessary.)

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cots. C + D + E)
4. Dogs	NA				
5. Cats	NA				
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	NA				
8. Rabbits	NA	<u> </u>			
9. Non-human Primates	NA				
10. Sheep	NA				
11. Pigs	NA				
12. Other Farm Animals	NA				
13. Other Animals					
					<u> </u>
	 				<u> </u>

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered afternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	AL.
(Chief Executive Officer or Legally Responsible Institutional Official)	

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

Rhona S. Applebaum, Ph.D.

DATE SIGNED

Executive vice President

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11/29/00

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See inverse side for additional information.

Interagency Person Control No. 0160-003-AN

UNITED STATES DEPARTMENT OF ADMICULTURE ANIMAL AND PLANT HEALTH INSPRICTION SERVICE

FATER

1. REGISTRATION NO. 10-R-0009

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FORM APPRIONED

2. HEADQUANTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Opdo)

Howard University 2400 - 6th Street, N.W. Washington, D.C. 20059

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (Lest all locations where animals were housed or used in usual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessory.) PACILITY LOCATIONS (SINCE College of Medicine Numa P.G. Adams Building REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH PACILITY (Alex a whill house sheets it receives a research form 1023A) E. Number of antimits upon which teaching, experiments, research, surgery or tests were A Number of Number of Number of animals town DOING BEING animaki upen which supprisonals. conducted involving accompanying pain or distress bred. Animals Covered which leuching. toaching, research, to the animals and for which the use of appropriate conditioned, or TOTAL NO. By The Animal research. surgery, or lesis were conducted involving anosthetic, analgesic, or trunquilizing drugs would held for use in experiments or OF ANIMAL Wellare Regulations have adversely affected the procedures, insults, or teaching, texting, LESIS WOTE accompaliting bain or interpretation of the teaching, research. distress to the unimots BACHELIMANIS. conducted experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these (Cots. C -165021ch, or mvuhina ito and for which appropriate surgery but not Daw distress or printhelia, austrosic, of als and the reasons such drugs were not used yet word for such une of pantarew equit gritifupnast must be exacted to this report). purposes relieving drugs 0 0 39 0 39 Dogs 0 0 43 43 Cats O 0 3 O Guinea Pigs 0 0 0 Hamsters 0 0 Rabbita

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ASSURANCE STATEMENTS

Non-human Primates

12. Qiher Farm Animala

13. Other Animals

10. Sheep

11. Pigs

- 1) Professionally acceptable standards governing the date, treatment, and use of example, including approximative of prosthetic, analysis, and tranquisting drups, prior to, during, and following actual resourch, teaching, testing, surgery, or experimentation warn followed by this research facility.
- 2) Each proximal investigator has considered offerhatives to painful procedures

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- 3) This facility is utilizely to the standards and regulations endor the Act, and it has required the exceptions to the standards and regulations be expected by the principal hivestigator and approved by the Institutional Animal Care and Uan Committee (IACUC). A summary of all such exceptions is affected to this animal report. In addition to identifying the IACUC approved exceptions, this auminity includes a brist explanation of the exceptions, as well as the species and number of unimars affected.
- A) The phintony veterinarism for this research faultly has appropriate authority to mesore the provision of adjoquate veterinary exic and to oversee the enterinary of other aspects of united care and risk.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	,
(Chief Executive Officer or Laguily Responsible Institutional Official)	

t contriby that the above is true, correct, and complete (2 U.S.C. Section 2142)

SIGNATURE OF C.E.D. OR INSTITUTIONAL OFFICIAL

MAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or PINII)

Don M. Coleman, Ph.D.

Interim Provost and Chief Academic Officer 11/20,

DATE SIGNE

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is absolute)